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## Mast Design Audit Certificate

Mast Reference Type	450N
Mast Description	18m Triangular Tubular Lattice Mast
Mast Type	Self-Supporting
Manufacturer / Supplier	RTS
Client	MIRO

The tower has been audited to SANS specifications and approved for construction with respect to the following design parameters as detailed below:

Mast Outline GA Drawing No.	09/02/19/18M
Design Specification	SANS 10160-3:2011
Basic Fundamental Wind Speed	28m/s
Wind Return Period	50yrs
Terrain Category	B
Site Altitude	0m Above Mean Sea Level
Ground Datum	0m
Mast Loading	0.5m <sup>2</sup>
Mast Deflection	1.3 Degrees
Material Grade	S355JR
Bolt Grade	Grade 8.8
Main Leg Members	60.3 OD 4.0t Circular Hollow Section
Diagonal Members	16mm OD Circular Round
Horizontal Members	16mm OD Circular Round

This document does in no way relieve the supplier of any of their responsibilities for the structure.

Mike Adair  
Pr. Eng  
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